

Data Sheet

ADSL Barricade™ SMC7401BRA V.2

2-Port ADSL Router with Built-in Annex A ADSL Modem



The ADSL Barricade™ (SMC7401BRA V.2) is an external USB/Ethernet standards based ADSL modem and Router that provides high-speed Internet access to both the residential and the small and home office (SoHo) user. This new Modem/Router provides unrivaled asymmetric high-speed data transport over a single copper pair linking branch offices, home offices and individual subscribers to their network service providers, including Internet service providers.

With the ADSL Barricade™, investments are protected through the support of popular DSL connection models such as PPP over Ethernet (PPPoE), PPP over ATM (PPPoA), bridging and routing. The Barricade ADSL supports two modes of operation. This modem can be configured to function as bridge to support a single computer, then as the network grows, it can be reconfigured as full featured Router to provide Internet access to multiple computers. Another benefit of using the SMC7401BRA V.2 in router mode is that you are also protected by the built-in SPI/NAT firewall. Other features that are available in Router mode include VPN pass-through, remote access communications, and DHCP Server easy network setup.

This new high-performance ADSL Gateway has an easy-to-use web-based management user interface that can be used to configure and manage your network via a local or remote computer. For added control, this modem can also be managed via the Command Line Interface (CLI), which can be initialized through a Telnet session, or through a Windows-based configuration tool.

Features and Benefits

High Performance & Functionality

- Full-rate ADSL Modem - Supports speeds up to 8 Mbps downstream, 1024 Kbps upstream
- Compliant with ANSI T1.413 Issue 2, ITU G.992.1 (G.DMT) and ITU 992.2 (G.Lite) standards
- DSL Forum TR37-compliant (DSL auto configuration)
- Offers both a 1-Port 10/100 Mbps Ethernet Switch and 1-Port USB (1.1) for computer connectivity
- Simple installation with Web-based Management
- Support for IP Filtering and Website Blocking using Keywords
- Built-in DHCP Server and DNS Proxy for easy network setup
- Supports both Bridge or Routing Modes
- Management access via SNMP, HTTP, and CLI
- Fast Internet/Intranet access
- Easy installation with auto-run CD program
- Remote Access
- SOHO/Home solutions
- Brings instant data, voice & video access to your PC up to 150 times faster than a 56K modem
- Provides greater flexibility for simultaneous sharing of local resources & the ADSL line

Compatibility

- ANSI T1.413 Issue 2
- G.DMT (ITU G.992.1)
- G.Lite (ITU G.992.2)
- IEEE 802.3 10 Base-T Ethernet
- IEEE 802.3u 100 Base-Tx Fast Ethernet

Product	Model No	Description
ADSL Barricade™	SMC7401BRA V.2	2-Port ADSL Router with Built-in Annex A ADSL Modem

www.smc-europe.com www.smc.com

SMC®
Networks

Specifications

Network Interface:

- 1 - RJ-11 xDSL port
- 1 - 10/100Mbps Auto-sensing Ethernet RJ-45 LAN Ports
- 1 - USB 1.1 (Type B) LAN Port

ADSL Features:

- Compatible with all leading DSLAMs
- Embedded full-rate ADSL Modem Compliant with ANSI T1.413 Issue 2, ITU G.992.1 (G.DMT) and ITU G.992.2 (G.Lite)
- G.DMT full-rate connectivity at up to 12Mbps downstream, 1024 Kbps upstream

ATM Features:

- Supports up to 64 Virtual Channel Connections (VCCs)
- Supports UBR, GFR, CBR, and VBR service classes
- Provides Adaptation Layer (AAL5) Functionality
- Performs the traffic shaping and scheduling per ATM port
- Supports PPP encapsulation over ATM (PPPoA) and PPP over Ethernet (PPPoE)
- Supports IP over ATM (IPoA)
- Support for F5 and loopback cells

Data Subsystem Features:

- User Datagram Protocol (UDP)
- Transmission Control Protocol (TCP)
- Address Resolution Protocol (ARP)
- Reverse Address Resolution Protocol (RARP)
- Internet Control Message Protocol (ICMP)

Bridging/Routing Functionality:

- Up to 1000 hosts
- Transparent bridging as specified in IEEE 802.1D
- Bridged PDU encapsulation
- Provides up to 1024 NAT translation sessions
- Dynamic IP address allocation is supported through DHCP or IPCP
- Point-to-Point Protocol: PPPoA, PPPoE, PAP, and CHAP
- Routing Information Protocol (RIP) v1 and v2
- Embedded firewall prevents DOS, IP spoofing, and other common types of attacks
- TFTP client/server
- DHCP client/server
- Telnet server
- HTTP server
- FTP client/server

Management Features:

- DSL Forum TR37-compliant auto configuration using ILMi to set up access protocols and other settings
- SNMP v1 over DSL or Ethernet for access to the MIB-II
- CLI (Command Line Interface) via serial interface or Telnet over Ethernet of DSL
- Web-based Graphical User Interface (GUI) enabling end-user device configuration via HTTP
- Update of boot image or configuration data over TFTP/FTP

Security Features:

- Stateful Packet Inspection Firewall (SPI)
- Network Address Translation (NAT)
- Password protected configuration access
- User authentication (PAP/CHAP) with PPP
- Access Control Rules

USB Driver Supports:

- Windows 98SE, ME, 2000, XP

LEDs

- Power (PW)
- Link (LK)

Physical Specifications (H x W x D):

- 1.06 x 4.52 x 5.5 in (2.7 cm x 11.5 cm x 14 cm)

Weight:

- 15.87oz (450g)

Operating Environment:

- Temperature Conditions: 0° to 40° C, 32° to 104° F
- Humidity: 0% to 90% non-condensing

Power Input:

- 12V/1.2A

Standards Compliance:

- ANSI T1.413 Issue 2
- G.DMT (ITU G.992.1)
- G.Lite (ITU G.992.2)
- IEEE 802.3 10 Base-T Ethernet
- IEEE 802.3u 100 Base-Tx Fast Ethernet

Compliances - EMC/Safety:

- CE
- FCC part 15 Class B and FCC part 68
- CSA
- EN60950

Warranty

- Limited Lifetime Product Warranty

ADSL Barricade™

SMC7401BRA V.2

2-Port ADSL Router with Built-in Annex A ADSL Modem



SMC Networks Europe

Head Office

Edificio Conata II
Fructuós Gelabert 6-8 Planta 2
08970 - Sant Joan Despi
Barcelona
Spain
Telephone: +34 93 477 4920
Facsimile: +34 93 477 3774

SMC Networks Central Europe

Telephone: +49 (0) 89 92861-0
Facsimile: +49 (0) 89 92861-230

SMC Networks CIS

74, marshala Zhukova ave.
Moscow 123103 Russia
Telephone: +7 095 789 35 73
Facsimile: +7 095 789 35 73

SMC Nordic and Baltic

Telephone: +45 (0) 566 62283
Facsimile: +45 (0) 566 62286

SMC Networks Eastern Europe

Telephone: +420 607 96 6699
Facsimile: +420 235 36 3905

SMC Networks Italia

Telephone: +39 348 706 90 65

SMC Networks Netherlands

Telephone: +31 627 075227
Facsimile: +31 334 557 330

SMC Networks Ireland

Telephone: +353 61 34 0675
Facsimile: +353 61 34 0675

SMC Networks Sweden

Telephone: +46 (0)8 687 0700
Facsimile: +46 (0)8 87 62 62

SMC Networks North West Africa

Telephone: +216 71 23 66 16
Facsimile: +216 71 75 14 15

SMC Networks Sub-Saharan Africa

Telephone: +27 012 661 0232

SMC Networks South-East Europe

Telephone: +49 (0) 89 74 08 00 80
Facsimile: +49 (0) 89 74 08 00 81

SMC Networks Southern Europe

Telephone: +33 (0) 1 41 38 32 32
Facsimile: +33 (0) 1 41 38 01 58

SMC Networks Spain and Portugal

Telephone: +34 (0) 636 2043
Facsimile: +34 (0) 636 2044

SMC Networks United Kingdom

Telephone: +44 (0) 1932 86 6553

SMC[®]
Networks